

What is claimed is:

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1. A storage unit comprising:
a first and second horizontal shelf member;
5 at least one vertical panel disposed between said first and
second horizontal shelf members, with a bottom of said at least one vertical
panel supported by said first shelf member and said second shelf member
supported on a top of said at least one vertical panel; and
10 at least one tie member extending between and connecting said
first and second horizontal shelf members with said at least one panel clamped
therebetween.
 2. The invention of claim 1 wherein said at least one panel
comprises a securing member engaging said tie member.
 3. The invention of claim 1 wherein said at least one panel
15 comprises a pair of side panels, and further comprising a back panel extending
between said side panels.
 4. The invention of claim 3 wherein said at least one tie member
comprises at least a first and second tie member, wherein said first tie member
engages one of said side panels and said back panel and said second tie
20 member engages the other of said side panels and said back panel.
 5. The invention of claim 4 wherein each of said side panels and
said back panel comprise a securing member, wherein said first and second tie
members are engaged by said side and back panels securing members.
 6. The invention of claim 3 further comprising at least a third tie
25 member engaging one of said side panels, and a front panel pivotally attached
to said third tie member.

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Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

12. The invention of claim 11 wherein said threaded inserts each comprise a threaded bore extending therethrough, wherein each of said inserts are adapted to be threadably engaged from opposite ends thereof.

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5 13. The invention of claim 10 wherein each of said side panels, back panels and front panels comprise a securing member adapted to engage at least one of said tie members.

10 14. The invention of claim 13 wherein said securing members on said side panels and said back and front panels are arranged along a length thereof respectively such that they are staggered relative to each other with openings formed thereby in coaxial alignment when said storage unit is assembled.

15 15. A method for assembling a storage unit comprising:
providing a first and second horizontal shelf member; at least one vertical panel having a bottom and a top; and at least one tie member;
disposing said bottom of said panel on said first shelf member;
disposing said second shelf member on said top of said panel;
connecting said first and second shelf members with said tie member and clamping said panel therebetween.

20 16. The invention of claim 15 wherein said panel comprises a securing member, and wherein said connecting said first and second shelf members comprises engaging said tie member with said securing member.

17. The invention of claim 15 wherein said panel comprises a side panel, and further comprising providing a back panel and connecting said back panel to said side panel.

25 18. The invention of claim 17 wherein said side panel and said back panel each comprise a securing member, and wherein said connecting said first and second shelf members and connecting said back panel to said side

panel comprises engaging said tie member with said securing members of said side panel and said back panel.

19. The invention of claim 17 further comprising providing a front panel and connecting said front panel to said side panel.

5 20. The invention of claim 19 wherein said side panel and said front panel each comprise a securing member, and wherein said connecting said first and second shelf members and connecting said front panel to said side panel comprises engaging said tie member with said securing member of said side panel and said front panel.

10 21. The invention of claim 15 wherein said first and second shelf members each comprise a threaded insert, and wherein said connecting said first and second shelf members comprises threadably engaging said insert in said first shelf member with said tie member, and threadably engaging said tie member with said insert in said second shelf member.

15 22. The invention of claim 21 further comprising providing a third shelf member, at least a second vertical panel having a top and a bottom and a least a second tie member, disposing said bottom of said second panel on said second shelf member, disposing said third shelf member on said top of said second panel, threadably engaging said insert in said second shelf member
20 with said second tie member and connecting said tie member to said third shelf member with said second panel clamped between said second and third shelf member.

Sub 1/ 23. A storage unit comprising:
a first and second horizontal shelf member;
25 a pair of side panels disposed between said first and second horizontal shelf members, wherein each side panel comprises a bottom, a top, a front and a back, wherein said bottom of each of said side panels is supported by said first shelf member and wherein said second shelf member is

a back panel having opposite sides and comprising a securing member along each of said sides thereof, wherein said back panel extends between said side panels with said securing members of said back panel aligned with said securing members on said backs of said side panels;

a front panel having opposite sides and comprising a securing member disposed along at least one of said sides thereof, wherein said securing member of said front panel is aligned with said securing member on the front of one of said side panels;

a first and second tie member engaging said aligned securing members of said back panel and said side panels on each side of said back panel, and a third tie member engaging said aligned securing members of said front panel and said side panel, said first, second and third tie members connecting said first and second horizontal shelf members with said side panels clamped therebetween,

24. The invention of claim 23 wherein said first and second shelf members each comprise a plurality of inserts threadably engaged with opposite ends of said first, second and third tie members.

25. The invention of claim 23 wherein said front panel is a first front panel, and further comprising a second front panel having a securing member disposed along one side thereof, wherein said securing member of said second front panel is aligned with said securing member on the front of the other of said side panels, and further comprising a fourth tie member engaging said aligned securing members of said second front panel and said other side panel, said fourth tie member connecting said first and second horizontal shelf members with said side panels clamped therebetween, and wherein said first and second front panels are pivotable about said third and fourth tie members respectively.

26. The invention of claim 23 wherein said back of each of said side panels comprises a back panel section extending substantially perpendicular to a side panel section of said side panel, and wherein said securing member disposed along said back are disposed along an inboard edge of said back panel section.

27. The invention of claim 23 further comprising:
 a third shelf member;
 a second pair of side panels disposed between said second and third horizontal shelf members, wherein each of said second pair of side panels comprises a bottom, a top, a front and a back, wherein said bottom of each of said second pair of side panels is supported by said second shelf member and wherein said third shelf member is supported on said tops of said second pair of side panels, and wherein each of said second pair of side panels comprises a securing member disposed along said front and back thereof;

a second back panel having opposite sides and comprising a securing member disposed along each of said sides thereof, wherein said second back panel extends between said second pair of side panels with said securing members of said back panel aligned with said securing member on said backs of said second pair of side panels;

a second front panel having opposite sides and comprising a securing disposed along at least one of said sides thereof, wherein said securing member of said front panel is aligned with said securing member on the front of one of said second pair of side panels;

a fourth and fifth tie member engaging said aligned securing members of said second back panel and said second pair of side panels on each side of said second back panel, and a sixth tie member engaging said aligned securing members of said second front panel and said one of said second pair of side panels, said fourth, fifth and sixth tie members connecting said second and third horizontal shelf members with said second pair of side panels clamped therebetween.

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~~29. The invention of claim 28 wherein said third shelf member comprise a plurality of inserts threadably engaged with said fourth, fifth and sixth tie members.~~

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